

submitting to the first destination the first request in the data table identified by the tag included in the first oldest element;

5 determining a second oldest element in the age queue corresponding to a second request for the second destination; and

submitting to the second destination the second request in the data table identified by the tag included in the second oldest element.

10 3. A method of providing requests from one or more requestors to two or more destinations, the method comprising the steps of:

receiving one or more requests for at least one of two or more destinations;

15 storing the one or more requests in a data table;

storing for each of the one or more requests an age queue element in an age queue, each age queue element comprising a tag that indicates the location of the corresponding request in the data table and an indication 20 from which of the two or more destinations the request is to be made;

determining for each destination the oldest age queue element; and

submitting from the data table the request 25 corresponding to the tag contained in the oldest age queue element.

4. An apparatus for queuing requests from one or more requestors to two or more destinations, the apparatus comprising:

30 means for receiving one or more requests for one or more of the two or more destinations;

means for determining whether a data table contains an available location; and

means for, upon a determination that the data table contains an available location, storing the one or more 5 requests in the data table, and storing identifying information in an age queue element of an age queue, the identifying information comprising a tag that identifies the location of the one or more requests in the data table.

5. An apparatus for providing requests from one or 10 more requestors to a first destination and a second destination, the apparatus comprising:

means for receiving one or more requests;

means for determining whether a data table contains an available location;

15 means for, upon a determination that the data table contains an available location, storing the one or more requests in the data table, and storing identifying information in an age queue element of an age queue, the identifying information comprising a tag that identifies the 20 location of the corresponding element in the data table;

means for determining a first oldest element in the age queue corresponding to a first request for the first destination;

means for submitting to the first destination the first 25 request in the data table identified by the tag included in the first oldest element;

means for determining a second oldest element in the age queue corresponding to a second request for the second destination; and

30 means for submitting to the second destination the second request in the data table identified by the tag included in the second oldest element.

6. An apparatus for providing requests from one or more requestors to two or more destinations, the apparatus comprising:

means for receiving one or more requests for at least 5 one of two or more destinations;

means for storing the one or more requests in a data table;

means for storing for each of the one or more requests an age queue element in an age queue, each age queue element 10 comprising a tag that indicates the location of the corresponding request in the data table and an indication from which of the two or more destinations the request is to be made;

means for determining for each destination the oldest 15 age queue element; and

means for submitting from the data table the request corresponding to the tag contained in the oldest age queue element.

7. A computer program product for queuing requests 20 from one or more requestors to two or more destinations, the computer program product having a medium with a computer program embodied thereon, the computer program comprising:

computer program code for receiving one or more requests for one or more of the two or more destinations;

25 computer program code for determining whether a data table contains an available location; and

computer program code for, upon a determination that the data table contains an available location, storing the one or more requests in the data table, and storing 30 identifying information in an age queue element of an age queue, the identifying information comprising a tag that

identifies the location of the one or more requests in the data table.

8. A computer program product for providing requests from one or more requestors to a first destination and a second destination, the computer program product having a medium with a computer program embodied thereon, the computer program comprising:

computer program code for receiving one or more requests;

computer program code for determining whether a data table contains an available location;

computer program code for, upon a determination that the data table contains an available location, storing the one or more requests in the data table, and storing identifying information in an age queue element of an age queue, the identifying information comprising a tag that identifies the location of the corresponding element in the data table;

computer program code for determining a first oldest element in the age queue corresponding to a first request for the first destination;

computer program code for submitting to the first destination the first request in the data table identified by the tag included in the first oldest element;

computer program code for determining a second oldest element in the age queue corresponding to a second request for the second destination; and

computer program code for submitting to the second destination the second request in the data table identified by the tag included in the second oldest element.

9. A computer program product for providing requests from one or more requestors to two or more destinations, the computer program product having a medium with a computer program embodied thereon, the computer program comprising:

5 computer program code for receiving one or more requests for at least one of two or more destinations;

computer program code for storing the one or more requests in a data table;

10 computer program code for storing for each of the one or more requests an age queue element in an age queue, each age queue element comprising a tag that indicates the location of the corresponding request in the data table and an indication from which of the two or more destinations the request is to be made;

15 computer program code for determining for each destination the oldest age queue element; and

computer program code for submitting from the data table the request corresponding to the tag contained in the oldest age queue element.

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